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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM		Application Number	10/658,356
		Conf. No.	2103
		Filing Date	09/09/03
		First Named Inventor	Spilker, Jr.
		Group Art Unit	3662
		Examiner Name	Dao L. Phan
Total Number of Pages in This Submission		Attorney Docket Number	RSM047001

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copy of Page 2 of 1449B/PTO, 8 Cited Documents, Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Richard A. Dunning, Jr.
Signature	
Date	7/1/04

CERTIFICATE OF MAILING

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Type or printed name	Diane Dunning
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Date	7-1-04

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Spilker, Jr. et.al. Art Unit : 3662
 Serial No. : 10/658,356 Examiner : Phan, Dao Linda
 Filed : September 9, 2003 Conf. No. : 2103
 Title : POSITION LOCATION USING BROADCAST DIGITAL TELEVISION
 SIGNALS COMPRISING PSEUDONOISE SEQUENCES

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. §1.111

In response to the action mailed June 7, 2004 (PTO Paper No. not supplied), Applicant submits the copies of references listed on page 2 of the Information Disclosure Statement filed on April 29, 2004 as requested for examination. A copy of page 2 is also enclosed.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

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Diane M. Dunning

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Applicant : Spilker, Jr. et al.
Serial No. : 10/658,356
Filed : September 9, 2003

Attorney Docket No.: RSM047001

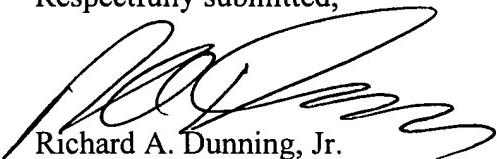
Page: 6

REMARKS

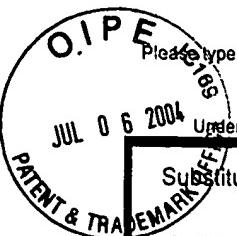
Applicant respectfully requests that a timely Notice of Allowance be issued in this case. However, should there remain unresolved issues that require action, it is respectfully requested that the Examiner telephone Richard A. Dunning, Jr., Applicant's Attorney, at 831.420.0561 so that such issues may be resolved as expeditiously as possible.

Date: 6/30/04
Law Office of Richard A. Dunning, Jr.
343 Soquel Avenue
Suite 311
Santa Cruz, CA 95062
Telephone: 831.420.0561
Facsimile: 413.541.0092

Respectfully submitted,



Richard A. Dunning, Jr.
Attorney/Agent for Applicant(s)
Reg. No. 42502



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Substitute for form 1449B/PTO

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Appl. No. & Conf. No.	10/658,356	2103
Filing Date	9/9/2003	
First Named Inventor	Spilker, Jr. et al.	
Group Art Unit	3662	
Examiner Name		

Sheet

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of

2

Attorney Docket Number

RSM047001

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite, No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	PARKINSON, B.W., et al., "Autonomous GPS Integrity Monitoring Using the Pseudorange Residual," <i>Journal of the Institute of Navigation</i> (1988), Vol. 35, No. 2, pages 255-274.	
	AB	RABINOWITZ, M., "A Differential Carrier Phase Navigation System Combining GPS with Low Earth Orbit Satellites for Rapid Resolution of Integer Cycle Ambiguities," <i>PhD Thesis for Department of Electrical Engineering, Stanford University</i> (Dec. 2000), pages 59-73.	
	AC	SPIHLER, JR., J.J., "Fundamentals of Signal Tracking Theory," <i>Global Positioning System: Theory and Applications</i> (1994), Vol. 1, Chapter 7, pages 245-327.	
	AD	VAN DIERENDOCK, A.J., "GPS Receivers," <i>Global Positioning System: Theory and Applications</i> (1995), Vol. 1, Chapter 8, pages 329-407.	
	AE	Li, X., et al., "Indoor Geolocation Using OFDM Signals in HIPERLAN/2 Wireless LANS," 11 th IEEE International Symposium on Personal Indoor and Mobile Radio Communications, PIMRC 2000, Proceedings (Cat. No. 00TH8525), Proceedings of 11 th International Symposium on Personal Indoor and Mobile Radio Communication, London, UK, Sept.. 18-21, pp.1449-1453, Vol. 2, XPO10520871, 2000, Piscataway, NJ, USA, IEEE, USA, ISBN: 9-7803-6463-5, Chapter I and III	
	AF	RABINOWITZ, M., et al., "Positioning Using the ATSC Digital Television Signal," Rosum whitepaper, Online! 2001, XP002235053, Retrieved from the Internet on 03-13-2003 at URL www.rosum.com/whitepaper 8-7-01.pdf	
	AG	EP Abstract/Zusammenfassung/Abrege, 02102666.1	
	AH	JP Abstract/ Vol. 007, No. 241 (P-232), 10-26-1983 & JP58 129277 A (Nihon Musen KK) 08-02-1983	

Examiner Signature		Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				<i>Complete if Known</i>		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Appl. No. & Conf. No.	10/658,356	2103
(use as many sheets as necessary)				Filing Date	9/9/2003	
				First Named Inventor	Spilker, Jr. et al.	
				Group Art Unit	3662	
				Examiner Name		
Sheet	1	of	2	Attorney Docket Number	RSM047001	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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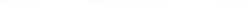
Attorney Docket Number

RSM047001

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
DP	A	5,157,686		Omura et al.	10-20-1992	
AA	B	5,166,952		Omura et al.	11-24-1992	
	C	5,920,284		Victor	07-06-1999	
	D	6,078,284		Levanon	06-20-2000	
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	F	6,137,441		Dai et al.	10-24-2000	
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	S	5,323,322		Mueller et al.	06-21-1994	
	T	5,504,492		Class et al.	04-02-1996	
	U	5,593,311		Davies et al.	09-14-1999	
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DP	W	4,652,884		Starker	03-24-1987	
DP	X	6,433,740		Gilhouseen	08-2002	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	5/28/03
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